



Replacement Sheet  
 Applicant: Michael Bassner  
 Serial No.: 09/661,651  
 Filed: 30 August 2000

FIG. 1A

ClustalW Formatted Alignments

	10	20	30	40	
Yeast (YER008W)	M G T I P R R N V Q N Q K S D S D E N N K G G S V H N K R E S R N H I H H Q Q G L G H K R R R G I S				
Human LCAT					
AI LCAT 1					
AI LCAT 2					
AI LCAT 3					
AI LCAT 4					
	60	70	80	90	100
Yeast (YER008W)	G S A K R N E R G K D F D R K R D G N G R K R W R D S R R L I F I L G A F L G V I L P E S F G A V H				
Human LCAT					
AI LCAT 1					
AI LCAT 2					
AI LCAT 3					
AI LCAT 4					
	110	120	130	140	150
Yeast (YER008W)	V H N S D S D L F D N F V N F D S L K V Y L D D W K D V I P Q I S S F I D D I Q A G N Y S T S S L				
Human LCAT	F P P H T T P K A E L S N - - - - -	H T R P V I V E C L - - - - -			
AI LCAT 1	M C Q A V G S N V Y - - - - -	T E L H I E C N G - - - - -			
AI LCAT 2	T A V E D E T E F H G D Y - - - - -	S K L S G I I I C F A - - - - -			
AI LCAT 3	Q E P Y V D P N L N - - - - -	P Y L S G I I I C I A - - - - -			
AI LCAT 4	E N A G E V A D R D - - - - -	P Y L S G I I I C I G - - - - -			
	P V I I L V P G				

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1B  
FIG.

	160	170	180	190	200
Yeast (YNR008W)	G	K	V	G	V
DOLSENFAV	K	O	M	W	D
Human tCAT	G	N	V	G	D
AlLCAT1	N	O	W	N	I
AlLCAT2	O	E	R	N	L
AlLCAT3	E	V	Y	N	D
AlLCAT4	V	R	Y	E	E
	G	Q	L	A	K

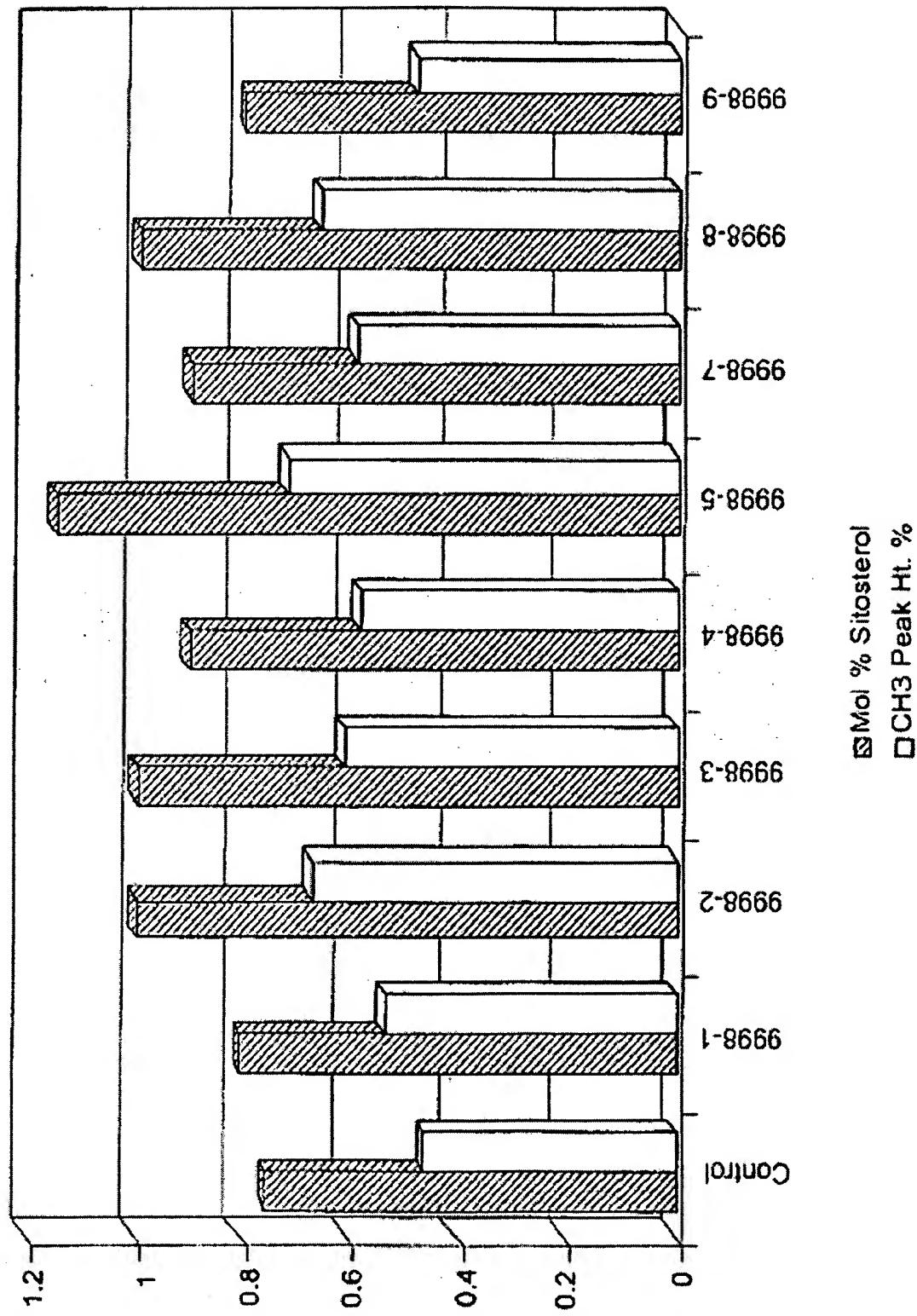
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FIG. 2



REPI ATTACHMENT SHEET

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## Sterol Distribution

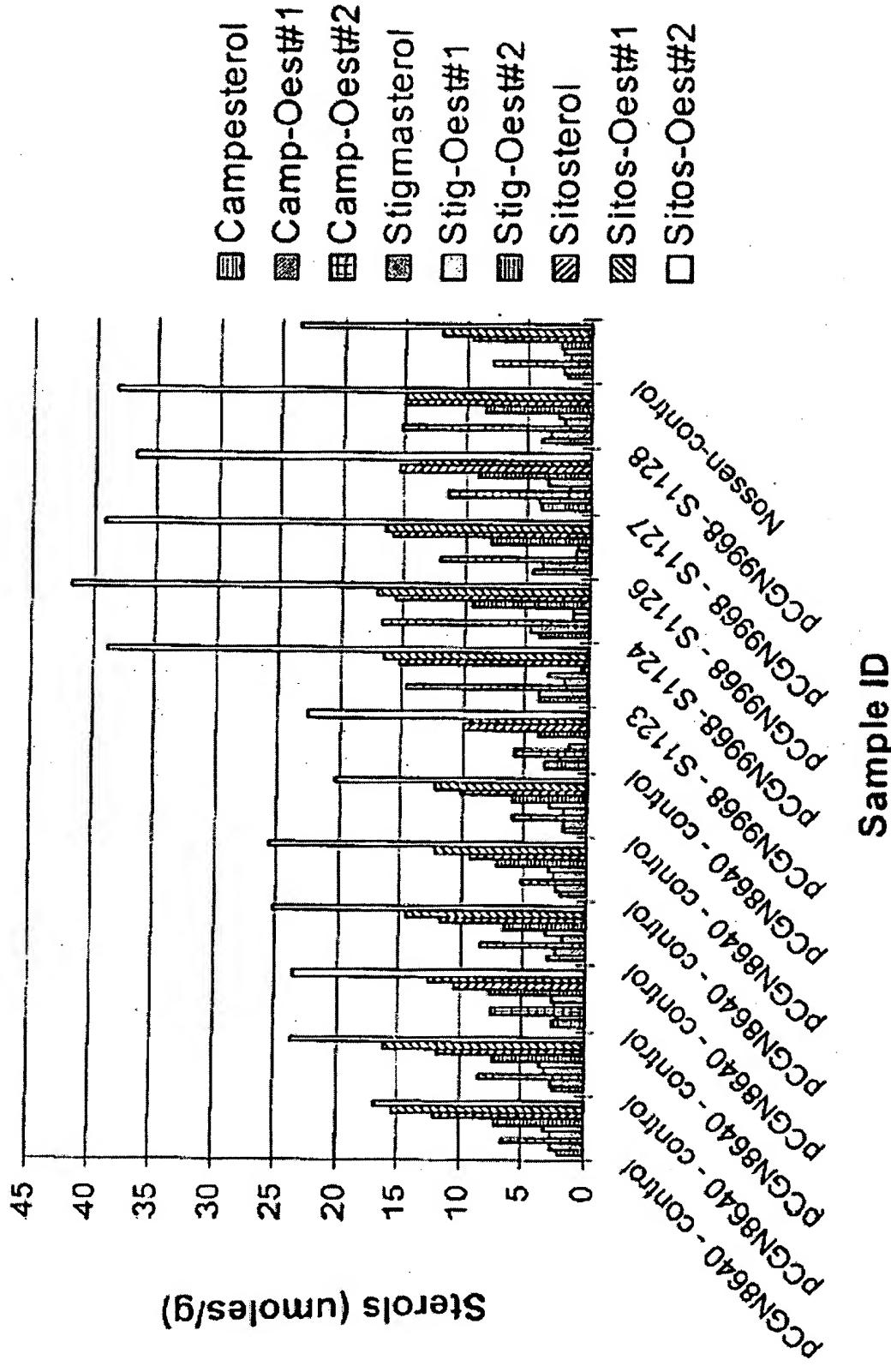
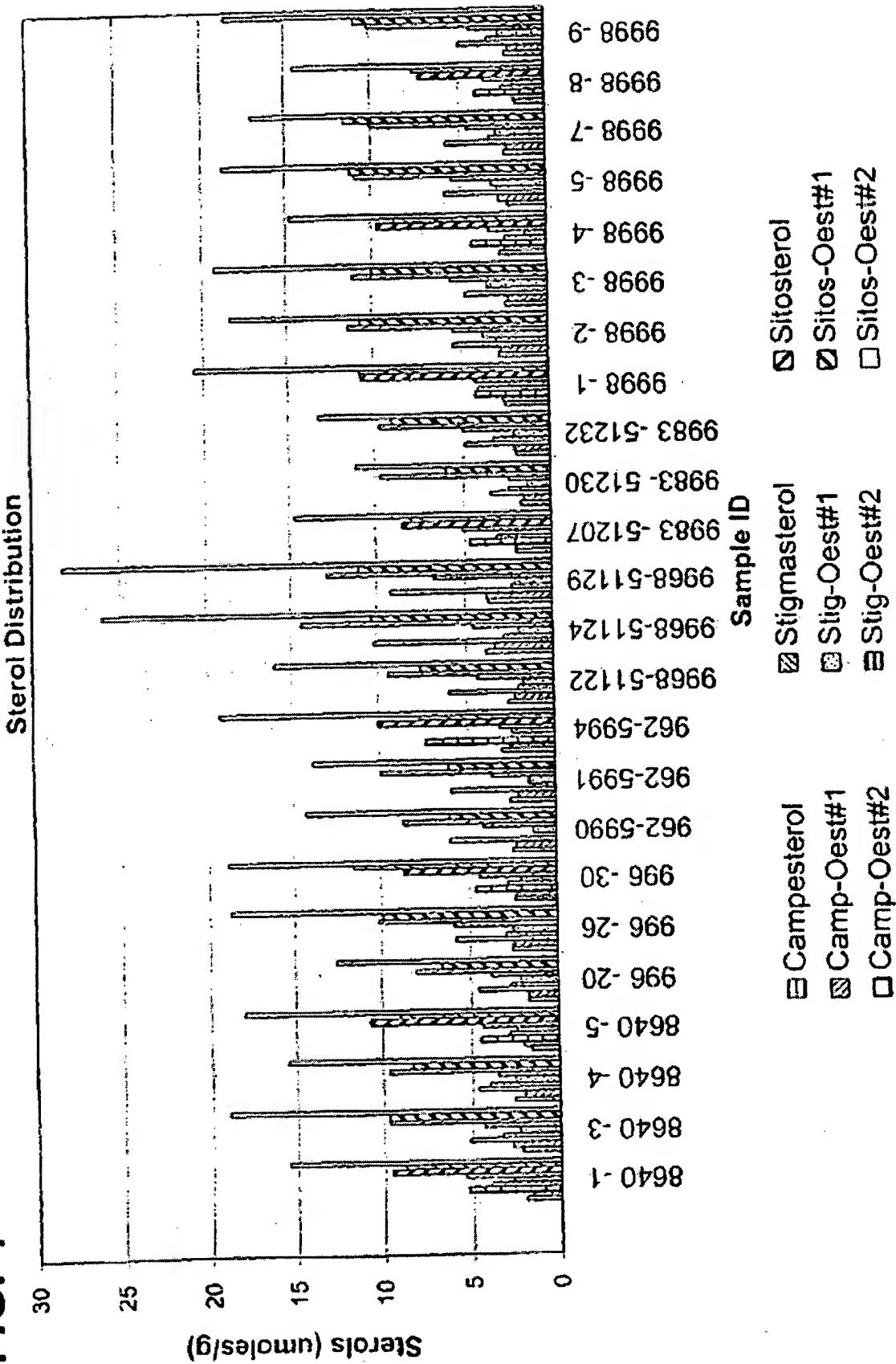


FIG. 4



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FIG. 5

NIR Analysis of LCAT

